

Best Available Copy

ASP29

26

The Claims are:

(Amend) 1. A roadway or other transport corridor drainage system comprising:
at least the edge surface[,]of the roadway or other transport corridor [,]being [permeable to water] formed by a drainage structure having two perforated planar members held apart, by substantially rigid spacer members; the voids within the drainage structure being filled with aggregate material, being permeable to water, such that water can flow therethrough;

a water permeable drain located at least below said permeable edge surface;
and

a water permeable retention tank connected to said permeable drain, such that runoff passes through the permeable surface into the permeable drain and into the permeable retention tank, where the water is stored and flows back into the soil through the walls of the tank.

(Delete) 2 [A roadway or other transport corridor drainage system according to claim 1 wherein said at least edge surface comprises a drainage structure having two perforated planar members held apart, by substantially rigid spacer members; the voids within the drainage structure being filled with aggregate material such that water can permeate therethrough.]

ASP29

27

(Amend) 3. A roadway or other transport corridor drainage system according to claim [2] 1, wherein the aggregate material is a growing medium, with vegetation such as grass growing therein, with the roots of the vegetation free to extend downwardly through the drainage structure into the strata below and to extend transversely through the drainage structure.

(Delete) 4. [A roadway or other transport corridor drainage system according to any one of claims 1 to 3 wherein said at least edge surface comprises a draining structure which is generally flat in nature and is for use mainly in a horizontal or substantially horizontal disposition, and comprises top and bottom plate members which are held spaced apart by spacer members so that the structure is cellular in nature with the cells hydraulically interconnected with each other, the plate members having apertures therein which are disposed so that the apertures in the top plate member are offset relative to the apertures in the bottom plate member, and wherein there are web walls extending between adjacent spacer members at the lower plate member and form at their top edges, weirs for water which is retained by the web walls, wherein the top edges of the web walls are curved, notched or otherwise shaped or the walls have apertures, to cause the water spilling over these edges into adjacent cells at a varying velocity profile to increase the oxygenation of the water as it splashes on falling from the weir top edges.]

ASP29

28

(Amend) 5. A roadway or other transport corridor drainage system according to claim [4] 14, wherein the web walls are provided adjacent the top and bottom plates, so that the structure is usable equally well either way up, i.e., with either plate upmost.

(Delete) 6. [A roadway or other transport corridor drainage system according to claims 4 or 5, wherein the apertures in the bottom and top plate members form a checkerboard pattern with support surfaces of the plate members.]

(Amend) 7. A roadway or other transport corridor drainage system according to claim [6] 14, wherein the support surfaces have openings therethrough..

(Amended) 8. A roadway or other transport corridor drainage system according to [any one of the preceding claims] claim 14, wherein the water permeable drain comprises two planar perforated surface separated by spacer members and wrapped in water permeable geotextiles.

(Amended) 9. A roadway or other transport corridor drainage system according to [any one of claims 1 to 7] 14, wherein the water permeable drain comprises box like modules having perforated surfaces, and covered in water permeable geotextiles.

ASP29

29

(Delete)10 [A roadway or other transport corridor drainage system according to claim 1 substantially as hereinbefore described with reference to the accompanying drawings]

(New) 11. A roadway or other transport corridor drainage system according to claim 1, wherein the apertures in the bottom and top plate members form a checkerboard pattern with support surfaces of the respective plate members.

(New) 12. A roadway or other transport corridor drainage system according to claim 11, wherein the support surfaces have openings therethrough.

(New) 13. A roadway or other transport corridor drainage system according to claim 1, wherein the water permeable drain comprises box like modules having perforated surfaces, and covered in water permeable geotextiles.

(New) 14. A roadway or other transport corridor drainage system comprising:

at least the edge surface of the roadway or other transport corridor being formed by a drainage structure which is generally flat in nature and is for use mainly in a horizontal or substantially horizontal disposition, and comprises top and bottom plate members which are held spaced apart by spacer members so that the structure is cellular in nature with the cells hydraulically interconnected with each other, the plate

ASP29

30

members having apertures therein which are disposed so that the apertures in the top plate member are offset relative to the apertures in the bottom plate member, and wherein there are web walls extending between adjacent spacer members at the lower plate member and form at their top edges, weirs for water which is retained by the web walls, wherein the top edges of the web walls are curved, notched or otherwise shaped or the walls have apertures, to cause the water spilling over these edges into adjacent cells at a varying velocity profile to increase the oxygenation of the water as it splashes on falling from the weir top edges; the voids within the drainage structure being filled with aggregate material, being permeable to water, such that water can flow therethrough;

a water permeable drain located at least below said drainage structure; and

a water permeable retention tank connected to said permeable drain, such that runoff passes through the permeable surface of the draining structure into the permeable drain and into the permeable retention tank, where the water is stored and flows back into the soil through the walls of the tank.

(New) 15. A roadway or other transport corridor drainage system according to claim 14, wherein the aggregate material is a growing medium, with vegetation such as grass growing therein, with the roots of the vegetation free to

Best Available Copy

ASP29

31

extend downwardly through the drainage structure into the strata below and to extend transversely through the drainage structure.